

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTADEG1625

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	DEC 18	CA/CAPLUS pre-1967 chemical substance index entries enhanced with preparation role
NEWS	4	DEC 18	CA/CAPLUS patent kind codes updated
NEWS	5	DEC 18	MARPAT to CA/CAPLUS accession number crossover limit increased to 50,000
NEWS	6	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	7	DEC 27	CA/CAPLUS enhanced with more pre-1907 records
NEWS	8	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	9	JAN 16	CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS	10	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	11	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	12	JAN 22	CA/CAPLUS updated with revised CAS roles
NEWS	13	JAN 22	CA/CAPLUS enhanced with patent applications from India
NEWS	14	JAN 29	PHAR reloaded with new search and display fields
NEWS	15	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	16	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS	17	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS	18	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS	19	FEB 26	MEDLINE reloaded with enhancements
NEWS	20	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS	21	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS	22	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS	23	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS	24	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS	25	MAR 16	CASREACT coverage extended
NEWS	26	MAR 20	MARPAT now updated daily
NEWS	27	MAR 22	LWPI reloaded

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:09:42 ON 26 MAR 2007

=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 15:09:58 ON 26 MAR 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 25 MAR 2007 HIGHEST RN 928121-90-8

DICTIONARY FILE UPDATES: 25 MAR 2007 HIGHEST RN 928121-90-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

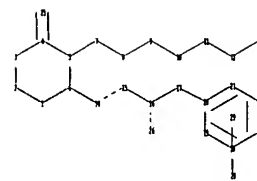
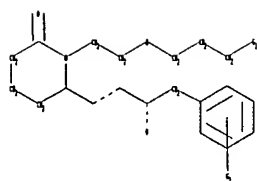
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10-564829 gen.str



chain nodes :

7 8 9 10 11 12 13 14 15 16 17 25 26 28

ring nodes :

1 2 3 4 5 6 18 19 20 21 22 23

chain bonds :

4-25 5-7 6-14 7-8 8-9 9-10 10-11 11-12 12-13 14-15 15-16 16-17 16-26
17-20

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-23 19-20 20-21 21-22 22-23

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 4-25 5-6 12-13 14-15 16-26

exact bonds :

5-7 6-14 7-8 8-9 9-10 10-11 11-12 15-16 16-17 17-20

normalized bonds :

18-19 18-23 19-20 20-21 21-22 22-23

G1:C,S,P

G2:C,O,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:Atom
19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 25:CLASS 26:CLASS 28:CLASS 29:Atom

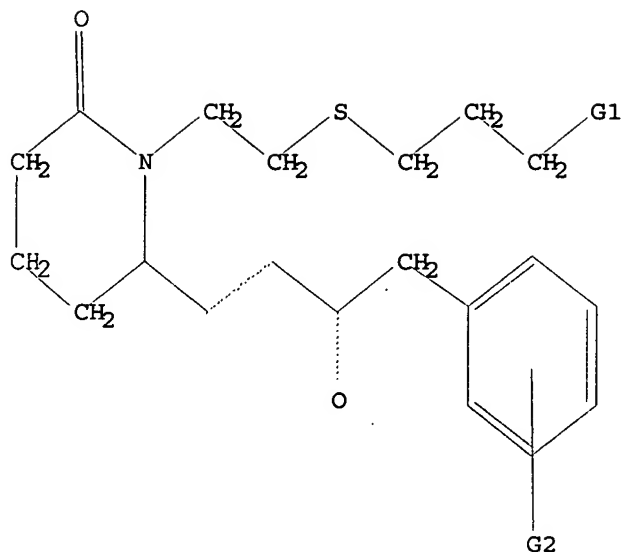
L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1

STR



G1 C,S,P

G2 C,O,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 15:11:08 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 26 TO ITERATE

100.0% PROCESSED 26 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 215 TO 825

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> d scan

L2 HAS NO ANSWERS

=> s l1 sss full

FULL SEARCH INITIATED 15:11:46 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 327 TO ITERATE

100.0% PROCESSED 327 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.02

L3 1 SEA SSS FUL L1

=> d scan

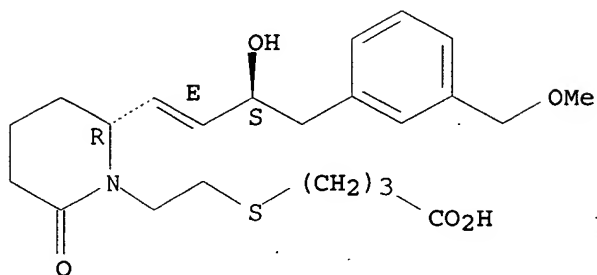
L3 1 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN

IN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-3-hydroxy-4-[3-(methoxymethyl)phenyl]-1-butenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI)

MF C23 H33 N O5 S

Absolute stereochemistry.

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> d l3 full ibib hitstr

'FULL' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

'IBIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)

OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations

SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDs -- To see a complete list of individual display fields.

HELP FORMATS -- To see detailed descriptions of the predefined formats.

ENTER DISPLAY FORMAT (IDE):end

=> d l3 1 IDE

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 724705-74-2 REGISTRY

ED Entered STN: 10 Aug 2004

CN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-3-hydroxy-4-[3-(methoxymethyl)phenyl]-1-butenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI)
(CA INDEX NAME)

FS STEREOSEARCH

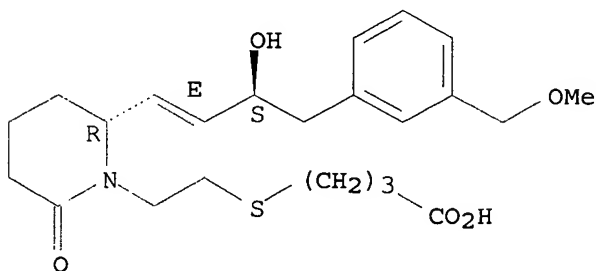
MF C23 H33 N O5 S .

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

179.00

179.21

FILE 'CAPLUS' ENTERED AT 15:17:18 ON 26 MAR 2007

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FILE COVERS 1907 - 26 Mar 2007 VOL 146 ISS 14
FILE LAST UPDATED: 25 Mar 2007 (20070325/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> d history

(FILE 'HOME' ENTERED AT 15:09:42 ON 26 MAR 2007)

FILE 'REGISTRY' ENTERED AT 15:09:58 ON 26 MAR 2007

L1 STRUCTURE UPLOADED
L2 0 S L1 SSS SAM
L3 1 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 15:17:18 ON 26 MAR 2007

=> s l3

L4 2 L3

=> d l3 all ibib abs hitstr

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

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ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number

CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):end

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.47	181.54

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 15:19:35 ON 26 MAR 2007
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=> d history

(FILE 'HOME' ENTERED AT 15:09:42 ON 26 MAR 2007)

FILE 'REGISTRY' ENTERED AT 15:09:58 ON 26 MAR 2007.

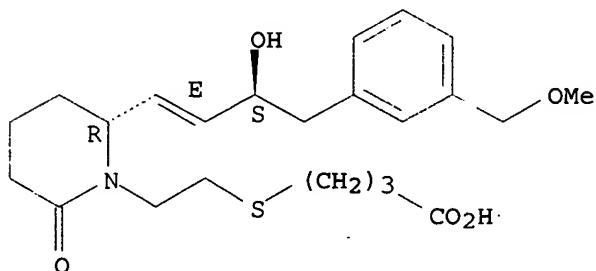
L1 STRUCTURE UPLOADED
L2 0 S L1 SSS SAM

FILE 'CAPLUS' ENTERED AT 15:17:18 ON 26 MAR 2007
L4 2 S L3

```
=> d l3 1-2 ibib abs hitst
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n
```

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:378879 CAPLUS
DOCUMENT NUMBER: 143:59790
TITLE: Lactams as prostanoid receptor ligands. Part 4:
2-Piperidones as selective EP4 receptor agonists
AUTHOR(S): Elworthy, Todd R.; Brill, Emma R.; Caires, Christopher
C.; Kim, Woongki; Lach, Leang K.; Tracy, Jahari
Laurant; Chiou, San-San
CORPORATE SOURCE: Roche Palo Alto, Department of Medicinal Chemistry,
Palo Alto, CA, 94304-1397, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2005),
15(10), 2523-2526
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 143:59790
IT 724705-74-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL
(Biological study); PREP (Preparation)
(stereoselective preparation and EP4 receptor binding affinity of
piperidones starting from aminoadipic acid using resolution as the key
step)
RN 724705-74-2 CAPLUS
CN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-3-hydroxy-4-[3-
(methoxymethyl)phenyl]-1-butenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:589253 CAPLUS

DOCUMENT NUMBER: 141:123513
 TITLE: 2-piperidone derivatives as prostaglandin agonists
 INVENTOR(S): Elworthy, Todd Richard
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 26 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004142969	A1	20040722	US 2004-754117	20040108
AU 2004203905	A1	20040729	AU 2004-203905	20040102
CA 2511255	A1	20040729	CA 2004-2511255	20040102
WO 2004063158	A1	20040729	WO 2004-EP8	20040102
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ				
EP 1585729	A1	20051019	EP 2004-700041	20040102
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2004006717	A	20051220	BR 2004-6717	20040102
CN 1735597	A	20060215	CN 2004-80002071	20040102
JP 2006515015	T	20060518	JP 2005-518636	20040102
PRIORITY APPLN. INFO.:			US 2003-439152P	P 20030110
			WO 2004-EP8	W 20040102

OTHER SOURCE(S): MARPAT 141:123513

IT 724705-74-2P

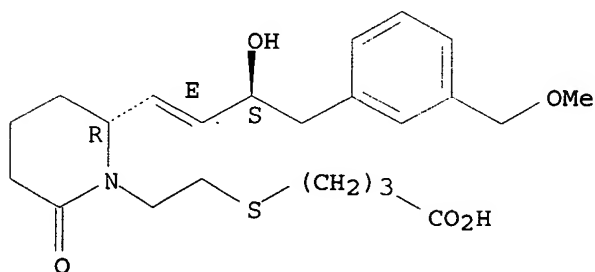
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 2-piperidone derivs. as selective prostaglandin EP4 agonists for the treatment of associated diseases)

RN 724705-74-2 CAPLUS

CN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-3-hydroxy-4-[3-(methoxymethyl)phenyl]-1-butenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



=> logoff hold
 COST IN U.S. DOLLARS
 FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
13.35	194.89

SESSION WILL BE HELD FOR 120 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 15:27:11 ON 26 MAR 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTADEG1625

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

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NEWS	27	MAR 22	LWPI reloaded

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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:22:38 ON 27 MAR 2007

=> registry

REGISTRY IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=>

Uploading

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Do you want to switch to the Registry File?

Choice (Y/n):

Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND
command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 15:23:17 ON 27 MAR 2007

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STRUCTURE FILE UPDATES: 26 MAR 2007 HIGHEST RN 928196-39-8

DICTIONARY FILE UPDATES: 26 MAR 2007 HIGHEST RN 928196-39-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

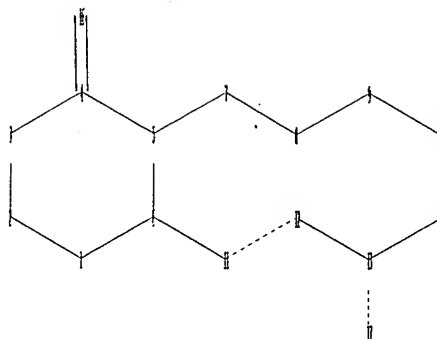
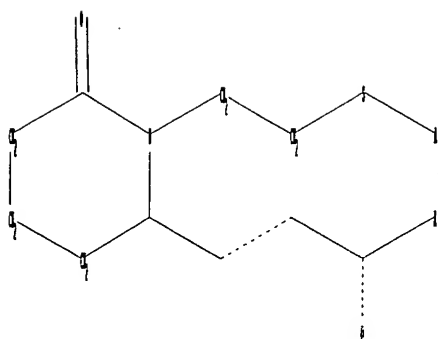
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

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predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10-564829 genA.str



chain nodes :
 7 8 9 10 11 12 13 14 16 17
 ring nodes :
 1 2 3 4 5 6
 chain bonds :
 4-16 5-7 6-11 7-8 8-9 9-10 11-12 12-13 13-14 13-17
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6
 exact/norm bonds :
 1-2 1-6 2-3 3-4 4-5 4-16 5-6 9-10 11-12 13-14 13-17
 exact bonds :
 5-7 6-11 7-8 8-9 12-13

G1:C,S,P

G2:C,O,N

Match level :

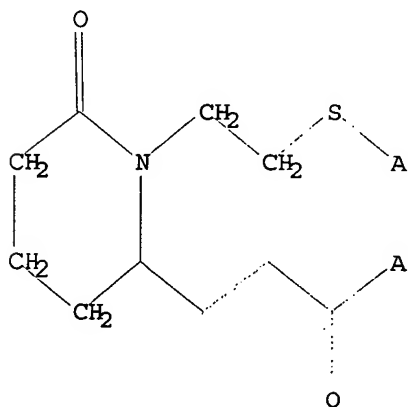
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
 11:CLASS 12:CLASS 13:CLASS 14:CLASS 16:CLASS 17:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C, S, P

G2 C, O, N

=> s ll sss sam

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100.0% PROCESSED      49 ITERATIONS
SEARCH TIME: 00.00.01
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2 ANSWERS

L2 2 SEA SSS SAM L1

=> d scan

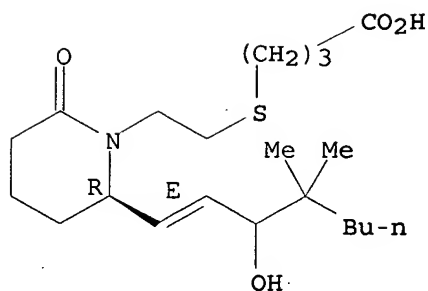
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L2 2 ANSWERS  REGISTRY  COPYRIGHT 2007 ACS on STN
IN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-5-cyclobutyl-3-hydroxy-1-pentenyl]-6-
MF  oxo-1-piperidinyl]ethyl]thio]- (9CI)
C20 H33 N O4 S
```

****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

```
L2 2 ANSWERS  REGISTRY  COPYRIGHT 2007 ACS on STN
IN Butanoic acid, 4-[[2-[(2R)-2-[(1E)-3-hydroxy-4,4-dimethyl-1-octenyl]-6-oxo-
MF C21 H37 N O4 S 1-piperidinyl]ethyl]thio]- (9CI)
```

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> s l1 sss full
 FULL SEARCH INITIATED 15:25:19 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 771 TO ITERATE

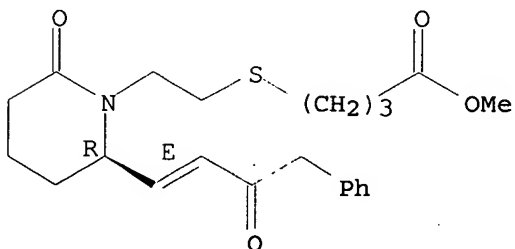
100.0% PROCESSED 771 ITERATIONS 12 ANSWERS
 SEARCH TIME: 00.00.01

L3 , 12 SEA SSS FUL L1

=> d l3

L3 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 871578-35-7 REGISTRY
 ED Entered STN: 10 Jan 2006
 CN Butanoic acid, 4-[[2-[(6R)-2-oxo-6-[(1E)-3-oxo-4-phenyl-1-butenyl]-1-piperidinyl]ethyl]thio]-, methyl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C22 H29 N O4 S
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

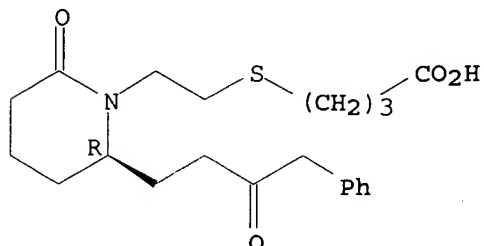
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L3 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN

RN 871578-30-2 REGISTRY
 ED Entered STN: 10 Jan 2006
 CN Butanoic acid, 4-[[2-[(6R)-2-oxo-6-(3-oxo-4-phenylbutyl)-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C21 H29 N O4 S
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

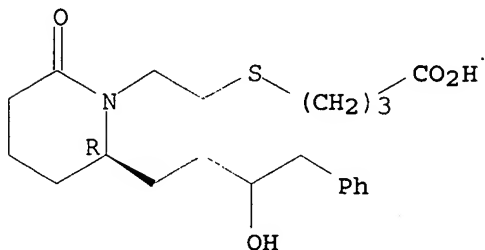


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1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 871578-29-9 REGISTRY
 ED Entered STN: 10 Jan 2006
 CN Butanoic acid, 4-[[2-[(2R)-2-(3-hydroxy-4-phenylbutyl)-6-oxo-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C21 H31 N O4 S
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



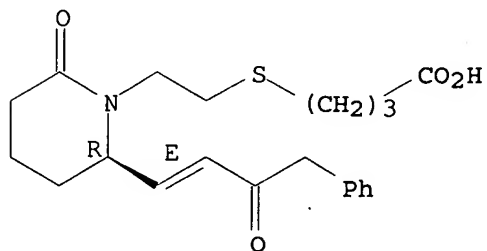
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L3 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 871578-28-8 REGISTRY
 ED Entered STN: 10 Jan 2006
 CN Butanoic acid, 4-[[2-[(6R)-2-oxo-6-[(1E)-3-oxo-4-phenyl-1-butenyl]-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C21 H27 N O4 S
 SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.
Double bond geometry as shown.

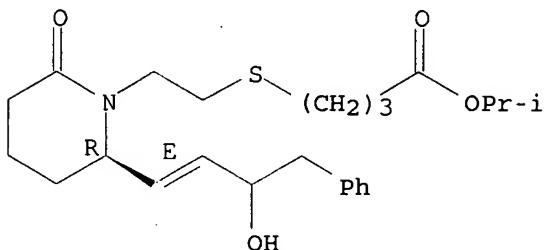


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN
RN 871578-27-7 REGISTRY
ED Entered STN: 10 Jan 2006
CN Butanoic acid, 4-[[2-[(2R)-2-[(1E)-3-hydroxy-4-phenyl-1-butenyl]-6-oxo-1-piperidinyl]ethyl]thio]-, 1-methylethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C24 H35 N O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.
Double bond geometry as shown.

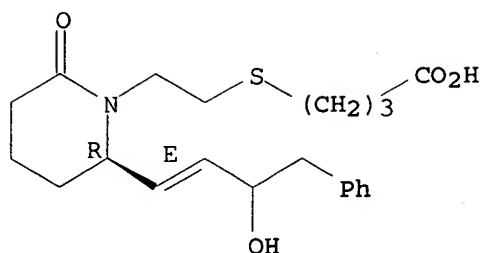


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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN
RN 871578-26-6 REGISTRY
ED Entered STN: 10 Jan 2006
CN Butanoic acid, 4-[[2-[(2R)-2-[(1E)-3-hydroxy-4-phenyl-1-butenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C21 H29 N O4 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.
Double bond geometry as shown.

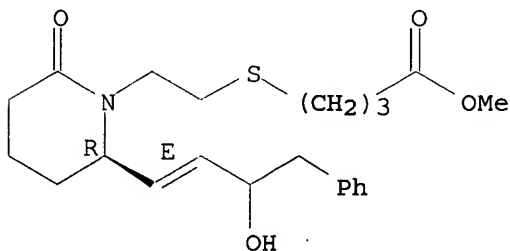


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN
RN 871578-25-5 REGISTRY
ED Entered STN: 10 Jan 2006
CN Butanoic acid, 4-[[2-[(2R)-2-[(1E)-3-hydroxy-4-phenyl-1-butenyl]-6-oxo-1-piperidinyl]ethyl]thio]-, methyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C22 H31 N O4 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.
Double bond geometry as shown.

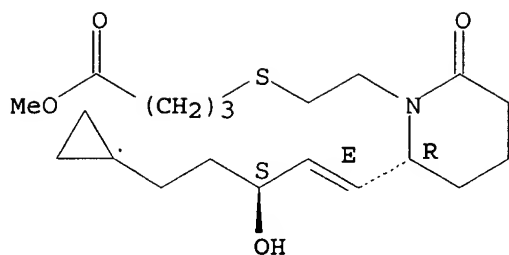


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN
RN 724705-99-1 REGISTRY
ED Entered STN: 10 Aug 2004
CN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-5-cyclopropyl-3-hydroxy-1-pentenyl]-6-oxo-1-piperidinyl]ethyl]thio]-, methyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C20 H33 N O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.
Double bond geometry as shown.

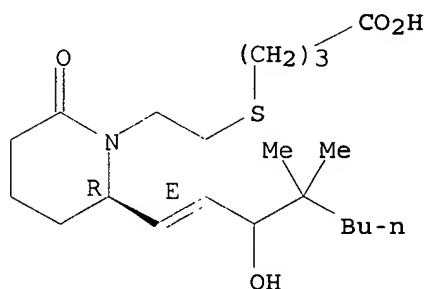


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN
RN 724705-80-0 REGISTRY
ED Entered STN: 10 Aug 2004
CN Butanoic acid, 4-[[2-[(2R)-2-[(1E)-3-hydroxy-4,4-dimethyl-1-octenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C21 H37 N O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.
Double bond geometry as shown.

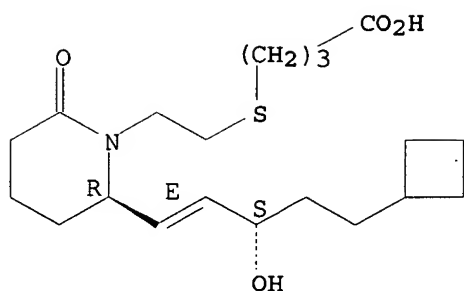


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN
RN 724705-78-6 REGISTRY
ED Entered STN: 10 Aug 2004
CN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-5-cyclobutyl-3-hydroxy-1-pentenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C20 H33 N O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.
Double bond geometry as shown.

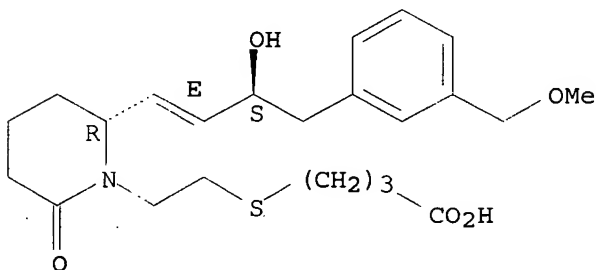


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L3 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN
RN 724705-74-2 REGISTRY
ED Entered STN: 10 Aug 2004
CN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-3-hydroxy-4-[3-(methoxymethyl)phenyl]-1-butenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI)
(CA INDEX NAME)
FS STEREOSEARCH
MF C23 H33 N O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.
Double bond geometry as shown.

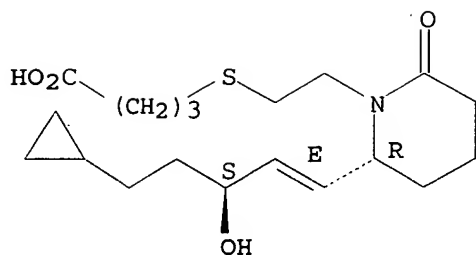


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L3 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN
RN 724705-66-2 REGISTRY
ED Entered STN: 10 Aug 2004
CN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-5-cyclopropyl-3-hydroxy-1-pentenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C19 H31 N O4 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

199.10

199.31

FILE 'CAPLUS' ENTERED AT 15:28:56 ON 27 MAR 2007

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FILE COVERS 1907 - 27 Mar 2007 VOL 146 ISS 14

FILE LAST UPDATED: 26 Mar 2007 (20070326/ED)

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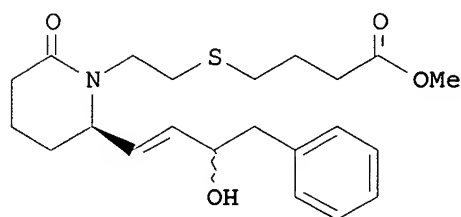
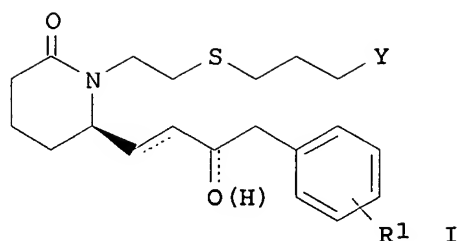
=> s l3 full

L4 3 L3

=> d l4 abs ibib hitstr

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

GI



II

AB 5-Thiopiperidinyl prostaglandin E analogs I [Y = CO₂H, CONH₂, CONHMe, CONMe₂, CONH₂t, CON(OMe)Me, CON(CH₂CH₂OH)₂, CONH(CH₂CH₂OH), CH₂OH, P(:O)(OH)₂, CONHSO₂Me, SO₂NH₂, SOI₂NMe₂, SO₂NNHMe, CONH-cyclopropyl, 2H-tetrazol-5-yl; R = C1-4-alkyl, C1-4-alkoxy, halogen, CO₂H, OH, CHO, COMe, COCF₃, NO₂, CN, CF₃; dashed line = optional double bond] or a pharmaceutically acceptable salt or a prodrug thereof is disclosed herein. Thus, prostaglandin E thiopiperidinyl analog II was prepared from di-Et (R)-2-aminohexanedioate via N-alkylation with Cl(CH₂)₂S(CH₂)₃CO₂Me, intramol. cyclization/amidation, regioselective reduction with LiBH₄, oxidation and Horner-Emmons reaction with PhCH₂COCH₂P(:O)(OMe)₂ and chemoselective reduction with NaBH₄. A compound II having an ω chain as shown or a derivative thereof, or a pharmaceutically acceptable salt or a prodrug thereof, is disclosed. Methods of treating certain eye conditions or diseases, and compns. and medicaments related thereto are also contemplated.

ACCESSION NUMBER: 2005:1329640 CAPLUS
DOCUMENT NUMBER: 144:69658
TITLE: Methods of preparing 5-thiopiperidinyl prostaglandin E analogs and of treating certain eye conditions or diseases
INVENTOR(S): Old, David W.; Dinh, Danny T.
PATENT ASSIGNEE(S): Allergan, Inc., USA
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005121086	A2	20051222	WO 2005-US17167	20050516
WO 2005121086	A3	20060427		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,				

EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
MR, NE, SN, TD, TG

AU 2005252171 A1 20051222 AU 2005-252171 20050516
CA 2569464 A1 20051222 CA 2005-2569464 20050516
EP 1761495 A2 20070314 EP 2005-749871 20050516

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR

US 2006281713 A1 20061214 US 2006-564829 20060113
PRIORITY APPLN. INFO.: US 2004-577361P P 20040604
WO 2005-US17167 W 20050516

OTHER SOURCE(S): CASREACT 144:69658; MARPAT 144:69658

IT 871578-35-7P

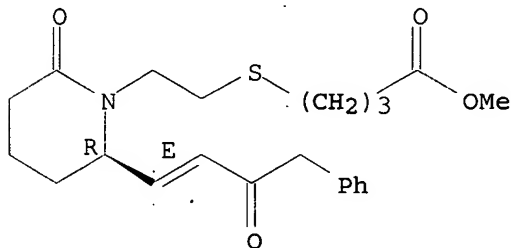
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)

(preparation and borohydride reduction of; preparation of 5-thiopiperidinyll
prostaglandin E analogs and of treating eye conditions)

RN 871578-35-7 CAPLUS

CN Butanoic acid, 4-[[2-[(6R)-2-oxo-6-[(1E)-3-oxo-4-phenyl-1-butenyl]-1-
piperidinyll]ethyl]thio]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



IT 871578-25-5P

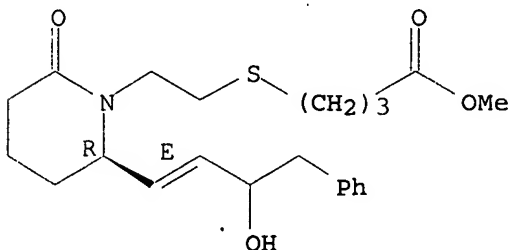
RL: RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use);
BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent);
USES (Uses)

(preparation and enzymic hydrolysis of; preparation of 5-thiopiperidinyll
prostaglandin E analogs and of treating eye conditions)

RN 871578-25-5 CAPLUS

CN Butanoic acid, 4-[[2-[(2R)-2-[(1E)-3-hydroxy-4-phenyl-1-butenyl]-6-oxo-1-
piperidinyll]ethyl]thio]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



IT 871578-26-6P

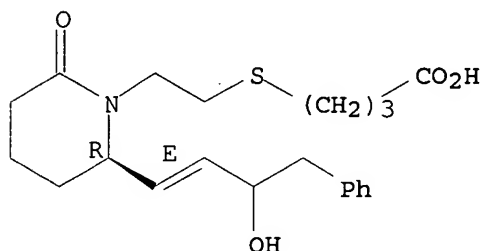
RL: BPN (Biosynthetic preparation); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(preparation of 5-thiopiperidinyll prostaglandin E analogs and of treating
eye conditions)

RN 871578-26-6 CAPLUS

CN Butanoic acid, 4-[[2-[(2R)-2-[(1E)-3-hydroxy-4-phenyl-1-butenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



IT 871578-27-7P 871578-28-8P 871578-29-9P

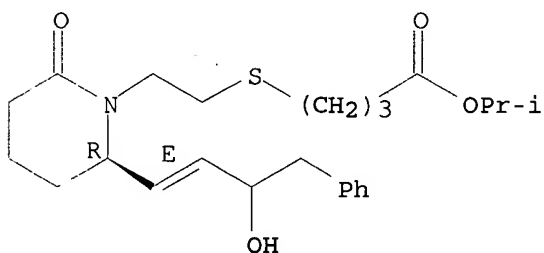
871578-30-2P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 5-thiopiperidinyl prostaglandin E analogs and of treating eye conditions)

RN 871578-27-7 CAPLUS

CN Butanoic acid, 4-[[2-[(2R)-2-[(1E)-3-hydroxy-4-phenyl-1-butenyl]-6-oxo-1-piperidinyl]ethyl]thio]-, 1-methylethyl ester (9CI) (CA INDEX NAME)

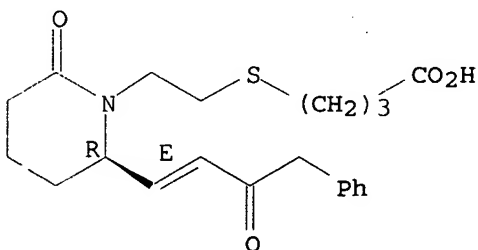
Absolute stereochemistry.
Double bond geometry as shown.



RN 871578-28-8 CAPLUS

CN Butanoic acid, 4-[[2-[(6R)-2-oxo-6-[(1E)-3-oxo-4-phenyl-1-butenyl]-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)

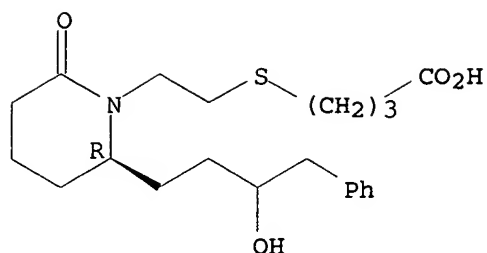
Absolute stereochemistry.
Double bond geometry as shown.



RN 871578-29-9 CAPLUS

CN Butanoic acid, 4-[[2-[(2R)-2-(3-hydroxy-4-phenylbutyl)-6-oxo-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)

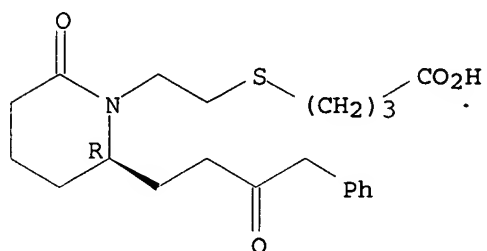
Absolute stereochemistry.



RN 871578-30-2 CAPLUS

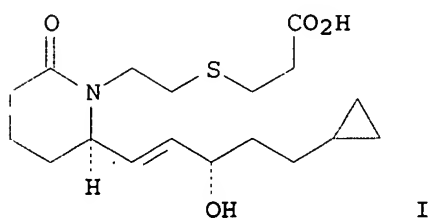
CN Butanoic acid, 4-[[2-[(6R)-2-oxo-6-(3-oxo-4-phenylbutyl)-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



=> d l4 2-3 abs ibib hitstr

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
GI



AB 2-Piperidones, e.g., I, were prepared bearing heptanoic acid or a thioether heptanoic acid at the 1-position as well as appropriately substituted at the 6-position to mimic the structure of prostaglandins. The stereochem. purity at the 6-position was determined to be $\geq 95\%$ ee for an advanced synthetic intermediate. The 2-piperidones were identified as potent agonists at the EP4 prostanoid receptor. They displayed a high affinity (K_i 5-130 nM) at EP4 and subtype selectivity.

ACCESSION NUMBER: 2005:378879 CAPLUS

DOCUMENT NUMBER: 143:59790

TITLE: Lactams as prostanoid receptor ligands. Part 4:

2-Piperidones as selective EP4 receptor agonists

AUTHOR(S): Elworthy, Todd R.; Brill, Emma R.; Caires, Christopher C.; Kim, Woongki; Lach, Leang K.; Tracy, Jahari Laurant; Chiou, San-San

CORPORATE SOURCE: Roche Palo Alto, Department of Medicinal Chemistry, Palo Alto, CA, 94304-1397, USA

SOURCE: Bioorganic & Medicinal Chemistry Letters (2005),

15(10), 2523-2526
CODEN: BMCLE8; ISSN: 0960-894X
Elsevier B.V.

PUBLISHER:

DOCUMENT TYPE:

LANGUAGE:

OTHER SOURCE(S):

Journal

English

CASREACT 143:59790

IT 724705-66-2P 724705-74-2P 724705-78-6P

724705-80-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

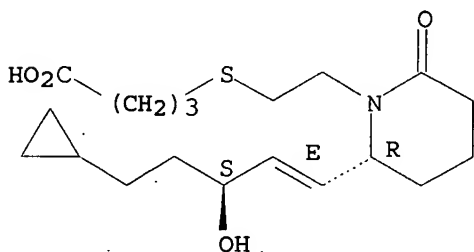
(stereoselective preparation and EP4 receptor binding affinity of piperidones starting from amino adipic acid using resolution as the key step)

RN 724705-66-2 CAPLUS

CN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-5-cyclopropyl-3-hydroxy-1-pentenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

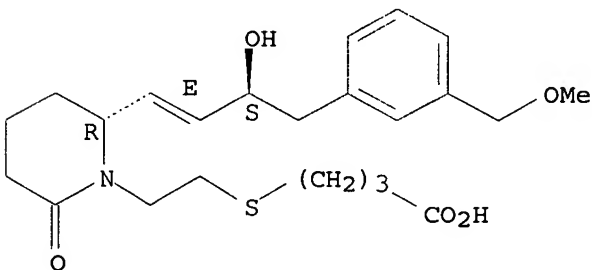


RN 724705-74-2 CAPLUS

CN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-3-hydroxy-4-[3-(methoxymethyl)phenyl]-1-butenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

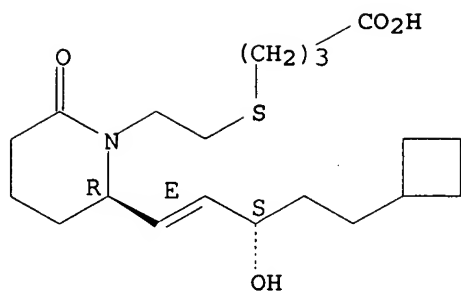


RN 724705-78-6 CAPLUS

CN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-5-cyclobutyl-3-hydroxy-1-pentenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

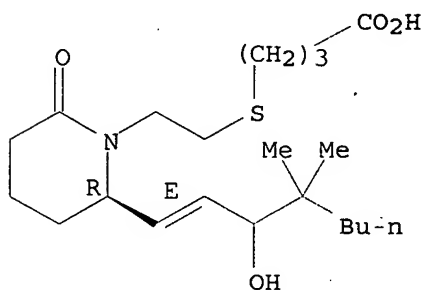
Double bond geometry as shown.



RN 724705-80-0 CAPLUS

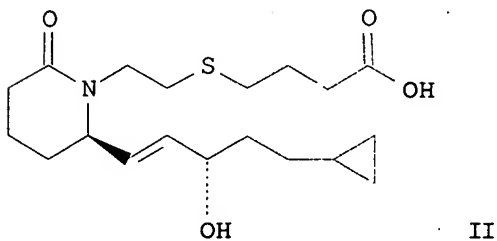
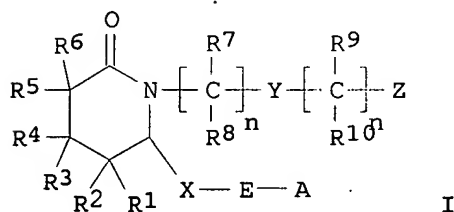
CN Butanoic acid, 4-[[2-[(2R)-2-[(1E)-3-hydroxy-4,4-dimethyl-1-octenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER, 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
GI



AB 2-Piperidone derivs. I ($n = 0-4$; A = alkyl, aryl, heteroaryl, arylalkyl, arylcycloalkyl, cycloalkylalkyl, aryloxyalkyl; E = CHOH, or C(O); Y = CH₂, CH:CH, arylene, heteroarylene, O, S(O)_p ($p = 0-2$); NR_a ($R_a = H$, alkyl); Z = CH₂OH, CHO, tetrazole-5-yl, COOR_b ($R_b = H$, alkyl); R₁, R₂, R₃, R₄, R₅,

R6, R7, R8, R9, R10 = H, alkyl) and pharmaceutically acceptable salts, solvates, prodrugs, single isomers or racemic or non-racemic mixture of isomers thereof were prepared as selective prostaglandin EP4 agonists for the treatment of associated diseases. Thus, 6R-(1-ethoxy-ethoxymethyl)piperidin-2-one was treated with NaH, and 2-bromoethanol triisopropylsilyl ether, followed by pyridinium p-toluene sulfonic acid to give the alc. The alc. was oxidized to the aldehyde using Swern conditions, and treatment of the aldehyde with (4-cyclopropyl-2-oxobutyl)phosphonic acid di-Me ester gave the alkene. Reduction of the ketone using (R)-2-methyl-CBS-oxazaborolidine followed by deprotection of the silyl ether gave the primary alc. Treatment of the alc. with γ -thiobutyrolactone gave the Me ester which was treated with NaOH to give the desired II. The invention also provides methods for preparing, compns. comprising, and methods for using compds. of formula I.

ACCESSION NUMBER: 2004:589253 CAPLUS
DOCUMENT NUMBER: 141:123513
TITLE: 2-piperidone derivatives as prostaglandin agonists
INVENTOR(S): Elworthy, Todd Richard
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 26 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004142969	A1	20040722	US 2004-754117	20040108
AU 2004203905	A1	20040729	AU 2004-203905	20040102
CA 2511255	A1	20040729	CA 2004-2511255	20040102
WO 2004063158	A1	20040729	WO 2004-EP8	20040102
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ				
EP 1585729	A1	20051019	EP 2004-700041	20040102
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2004006717	A	20051220	BR 2004-6717	20040102
CN 1735597	A	20060215	CN 2004-80002071	20040102
JP 2006515015	T	20060518	JP 2005-518636	20040102
PRIORITY APPLN. INFO.:			US 2003-439152P	P 20030110
			WO 2004-EP8	W 20040102

OTHER SOURCE(S): MARPAT 141:123513

IT 724705-66-2P 724705-74-2P 724705-78-6P
724705-80-0P

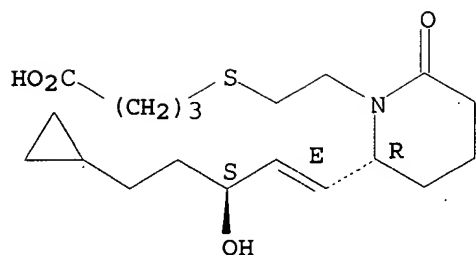
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 2-piperidone derivs. as selective prostaglandin EP4 agonists for the treatment of associated diseases)

RN 724705-66-2 CAPLUS

CN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-5-cyclopropyl-3-hydroxy-1-pentenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)

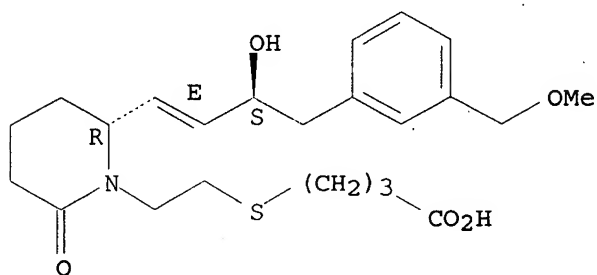
Absolute stereochemistry.
Double bond geometry as shown.



RN 724705-74-2 CAPLUS

CN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-3-hydroxy-4-[3-(methoxymethyl)phenyl]-1-butenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI)
(CA INDEX NAME)

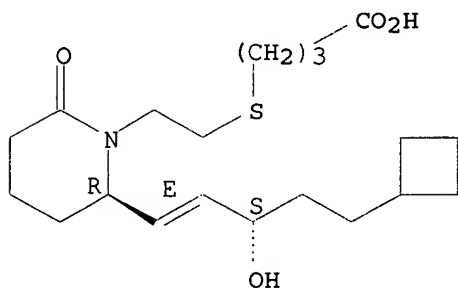
Absolute stereochemistry.
Double bond geometry as shown.



RN 724705-78-6 CAPLUS

CN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-5-cyclobutyl-3-hydroxy-1-pentenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)

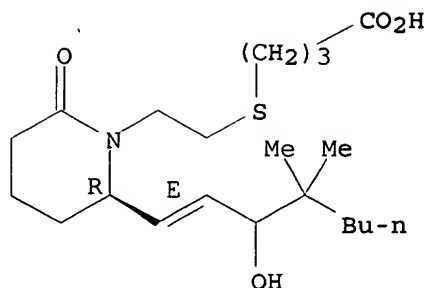
Absolute stereochemistry.
Double bond geometry as shown.



RN 724705-80-0 CAPLUS

CN Butanoic acid, 4-[[2-[(2R)-2-[(1E)-3-hydroxy-4,4-dimethyl-1-octenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



IT 724705-99-1P

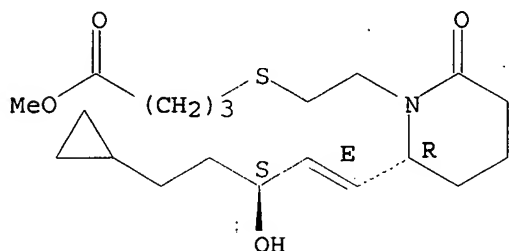
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of 2-piperidone derivs. as selective prostaglandin EP4 agonists for the treatment of associated diseases)

RN 724705-99-1 CAPLUS

CN Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-5-cyclopropyl-3-hydroxy-1-pentenyl]-6-oxo-1-piperidinyl]ethyl]thio]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
19.57	218.88

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-2.34	-2.34

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 15:33:46 ON 27 MAR 2007